



# Planetary Data System

## (PDS)

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# PDS Mission and Vision



## **Mission Statement**

The mission of the Planetary Data System (PDS) is to facilitate achievement of NASA's planetary science goals by efficiently collecting, archiving, and making accessible digital data and documentation produced by or relevant to NASA's planetary missions, research programs, and data analysis programs.

## **Our vision**

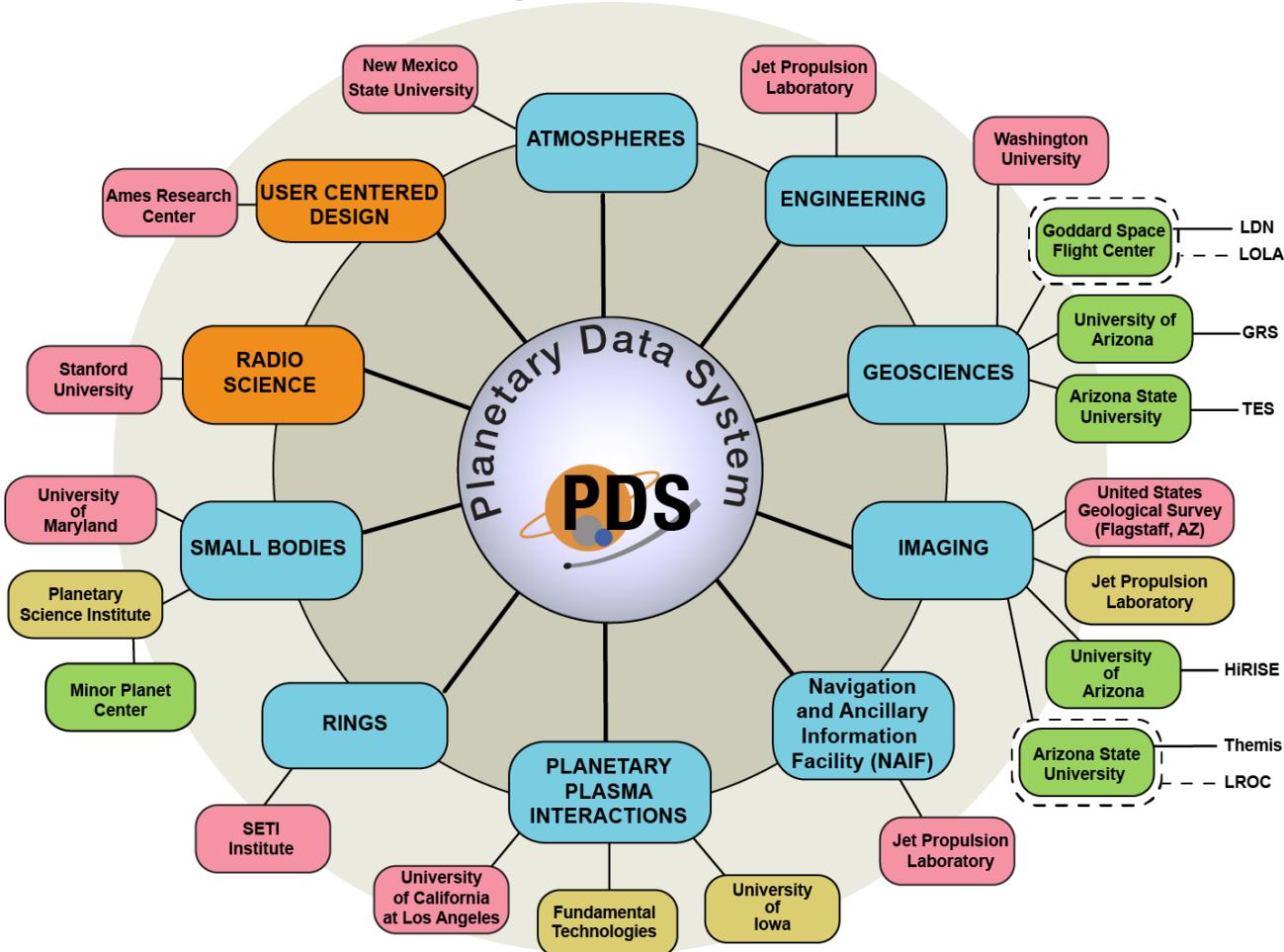
- To gather and preserve the data obtained from exploration of the Solar System.
- To facilitate new and exciting discoveries by providing access to and ensuring usability of those data to the worldwide community.
- To inspire the public through availability and distribution of the body of knowledge reflected in the PDS data collection.

PDS is a *federation* of distributed discipline and service nodes (shown on next page).



# Existing PDS Structure

**NODES/SUBNODES/DATA NODES**  
Function / Node Home Institution





# NASA Planetary Data System



If you have proposed to a discovery Opportunity before, but not in the last few years, you'll find a significantly increased emphasis on archiving in the AO - not just making the data available to the current scientific community but ensuring the long term usefulness of the data for future generations of scientists.

In Particular note "Requirement 7. Proposals shall include a plan to ..., and archive the data returned, and shall demonstrate, analytically or otherwise, that sufficient resources have been allocated to carry out that plan within the proposed mission cost." Preparing such an archive plan requires time, and the results will influence other portions of your proposal. Consider at least outlining your archive plan early in the process of writing your proposal



# NASA Planetary Data System



## PDS on the Web

Main Page: <http://pds.nasa.gov>

Tools and Documentation: <http://pds.nasa.gov/tools/index.shtml>

Contacts: <http://pds.nasa.gov/contact/contact.shtml>

[Http://discovery.larc.nasa.gov/discovery/dpl.html](http://discovery.larc.nasa.gov/discovery/dpl.html)



# NASA Planetary Data System



The AO indicates there are several possible NASA-approved archives to which the data may be submitted. For most Discovery proposals the PDS is the appropriate archive. If you've submitted to PDS before, it is important to emphasize that you will be submitting under PDS4 which is significantly different than submitting under PDS3, the predecessor information system. Please refer to the following document for a conceptual overview of PDS4: [http://pds.nasa.gov/pds4/doc/concepts/Concepts\\_130507\\_v1.pdf](http://pds.nasa.gov/pds4/doc/concepts/Concepts_130507_v1.pdf)

## Specific Node Points of Contact for Discovery

PDS personnel listed by node in the next 2 slides can provide technical advice on validation and documentation, on peer review, on adequate resource levels to process the data, and complete submission to the PDS.

**All of the individuals listed below will treat your questions confidentially.**

**They will also refer you to the right node if you archive requirements are better served elsewhere in PDS**



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## **Geosciences Node:**

Susan Slavney, [slavney@wunderwustl.edu](mailto:slavney@wunderwustl.edu) 314-935-9295

Ed Guinness, [guinness@wunder.wustl.edu](mailto:guinness@wunder.wustl.edu), 314-935-5493

## **Imaging Node:**

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## **Navigation and Ancillary Information Facility (NAIF):**

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## **Atmospheres Node:**

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## **Planetary Plasma Interactions Node:**

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## **Rings Node**

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## **Small Bodies Node**

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## **PDS Project Manager**

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*Please contact us if you have any questions.*